# Avian Diseases

*Honorary Lifetime Editor*

P. P. LEVINE

A. S. ROSENWALD, *Editor*

L. C. GRUMBLES, *Associate Editor*

*Editorial Board*

H. E. ADLER
R. R. CHALQUEST
J. FABRICANT
R. F. GENTRY
R. F. GORDON
W. B. GROSS
L. E. HANSON
S. B. HITCHNER
M. S. HOFSTAD
A. C. JERSTAD
E. JUNGHERR
A. L. KLECKNER
B. S. POMEROY
L. G. RAGGI
W. M. REID
K. SCHAAF
H. VAN ROEKEL

*Business Manager*

G. H. SNOEYENBOS

VOL. VI

ITHACA, NEW YORK

1962

# AUTHORS INDEX 1962


Ablashi, Dharam V. ..... 406
Adler, H. E. ..... 1, 267
Alberts, J. O. ..... 396
Anderson, G. W. ..... 118

Babcock, W. E. ..... 403, 444
Bankowski, R. A. ..... 333
Barber, Clifford W. ..... 289, 349
Barden, E. S. ..... 511
Benton, W. J. ..... 430
Boehringer, Emilio Geronimo 391
Boehringer, Irene K. ..... 391
Bool, P. H. ..... 302
Boyer, C. I., Jr. ..... 43
Brown, J. A. ..... 43
Brown, W. E. ..... 99
Bruner, D. W. ..... 43, 145
Bubash, George ..... 322
Burkhart, D. M. ..... 275
Burmester, B. R. ..... 455
Burr, W. E. ..... 441

Calnek, Bruce W. ..... 51
Campbell, Ann ..... 191
Carll, W. T. ..... 363
Chalquest, R. R. ..... 36
Chang, Pei W. ..... 406
Chute, H. L. ..... 7, 107, 127, 511
Clark, Gordon M. ..... 506
Corstvet, R. E. ..... 333
Cosgrove, A. S. ..... 385
Cover, M. S. ..... 430
Cunningham, C. J. ..... 165
Cunningham, Charles H. .... 455
Cuozzo, R. F. ..... 107

Dickinson, E. M. ..... 403, 444
Domermuth, Charles H. 135, 412, 499
Dougherty, E., 3rd ..... 145, 435

Epps, N. A. ..... 118

Fabricant, C. G. ..... 328
Fabricant, Julius ..... 13, 72, 328
Forgacs, J. ..... 363, 420
Fornari, Oscar Elias ..... 391
Foster, J. W. ..... 99
Fry, Dorothy E. ..... 406

Gardiner, J. L. ..... 185
Gershman, M. ..... 7, 107
Glantz, Paul J. ..... 322
Goedbloed, Else ..... 302
Goetz, M. E. ..... 93
Gross, W. B. ..... 499

Hall, C. F. ..... 359
Hanley, J. E. ..... 251
Hanson, L. E. ..... 396
Harwood, P. D. ..... 275
Hash, T. R. ..... 191
Heddleston, Kenneth L. ..... 315
Heishman, J. O. ..... 165, 171, 191
Helmboldt, C. F. ..... 59, 441
Hill, R. W. ..... 226
Hofstad, M. S. ..... 147
Hwang, J. ..... 435

Jeoffery, S. M. Savedain .... 238

Kenzy, S. G. ..... 238
Kilian, J. G. ..... 403, 444
Koch, H. ..... 363, 420
Krauss, W. C. ..... 430

Lannek, N. ..... 228
Lee, G. G. ..... 297
Leibovitz, Louis ..... 141, 380
Levine, P. P. ..... 13, 72
Lindgren, N. O. ..... 228
Locke, Louis N. ..... 506
Luginbuhl, R. E. ..... 59

Magwood, S. E. ..... 24
Mascoli, Carmine C. ..... 86
McConachie, J. D. ..... 118
McDaniel, I. N. ..... 127
McDaniel, Lois S. ..... 127
McLoughlin, D. K. ..... 185
McMartin, D. A. ..... 267
Moulthrop, Irwin M. ..... 161

Narotsky, Saul ..... 43, 322
Nilsson, T. ..... 228

Olson, N. O. ..... 165, 171, 191
O'Meara, D. C. ..... 7, 511
Ortmayer, H. ..... 267

Padgett, George A. ..... 258
Page, L. A. ..... 1, 211
Peckham, M. C. ..... 111
Perez-Rebelo, Rodolfo ..... 284
Pilchard, E. I., Jr. ..... 396
Price, Jessie I. ..... 145

Raggi, L. G. ..... 297
Raymond, R. G. ..... 226
Reynolds, I. M. ..... 32
Reynolds, R. ..... 111

Schmittle, S. C. ..... 99
Schoenhard, D. E. ..... 258
Shelton, D. C. ..... 171
Shibley, G. P. ..... 59
Snoeyenbos, G. H. ..... 32

Taylor, Patricia J. ..... 51
Tudor, David C. ..... 493
Tzianabos, T. ..... 32

Van DeMark, P. J. ..... 328
Van Roekel, H. ..... 178

Walter, W. G. ..... 455
Wehr, Everett E. ..... 195
White-Stevens, R. H. .... 363, 420
Witter, Richard L. ..... 478
Wolfgang, R. W. ..... 275
Wright, M. L. ..... 118

Yamamoto, R. ..... 403, 444
Yates, Vance J. ..... 406
Yoder, H. W., Jr. ..... 147

# SUBJECT INDEX 1962


*Aedes aegypti*, in transmission of Rous sarcoma virus ..... 127
amprolium, activity in *Eimeria tenella* infection ..... 185
annual meeting, 4th, American Association of Avian Pathologists summary report ..... 132
annual meeting, 34th, Northeastern Conference on Avian Diseases, program and committee reports ..... 512
annual meeting, 11th, Western Poultry Disease Conference, program ..... 390
antibotics, eggs dipped in, effect on transmission of PPLO in chickens ..... 72
aplastic anemia, observations in Florida ..... 251
*Arizona paracolon* in turkey poults, control ..... 93
articular gout in turkeys, case report ..... 32
ascaracides, piperazine compounds as ..... 493
*Aspergillus fumigatus*, in chicks, effect of chlortetracycline on .... 118
avian encephalomyelitis, in Coturnix quail ..... 226
avian leukosis, incidence in broilers at processing ..... 430
avian nephrosis, an apparently new disease of chickens ..... 385
bird-parasite cases, unusual, in a diagnostic laboratory in 5 years 141
blackhead, protozoan etiology of ..... 302
breast blisters, production by S6-type *Mycoplasma* ..... 135
canaries, salmonellosis in, effect of nitrofurans ..... 275
candidiasis, in chickens, effect of Mycostatin ..... 238
CELO virus, as a tissue-culture contaminant ..... 406
chlortetracycline, effect on *Aspergillus fumigatus* in chicks ..... 118
cholera, fowl, bacterins and drugs in control ..... 7
cholera, fowl, two types of *Pasteurella multocida* associated with 315
chronic respiratory disease, diet and chlortetracycline effects on *Mycoplasma* isolations ..... 165
chronic respiratory disease, *Escherichia coli* serotypes isolated from ..... 322
chronic respiratory disease, experimental production ..... 13
chronic respiratory disease, exposure of chicks to *Mycoplasma gallisepticum* ..... 171
chronic respiratory disease, treatment with deoxycorticosterone trimethylacetate ..... 258
counts, microbial, in hatcher fluff ..... 24
deoxycorticosterone trimethylacetate, in treating chronic respiratory disease ..... 258
duck, *Toxoplasma gondii* in, first case in Argentina ..... 391
duck, White Pekin, Salmonella in ..... 145
duck hepatitis, serial passage in chicken embryos ..... 435
*Eimeria tenella* infection, activity of amprolium in ..... 185
embryonal nephroma, transmission and pathology ..... 455
enteric cytopathogenic agents, isolation and classification ..... 51
erythromycin, as egg dip for control of *Mycoplasma* ..... 191
*Escherichia coli*, serotypes isolated from salpingitis and chronic respiratory disease ..... 322
feed contamination, associated with salmonellosis in turkeys and chickens ..... 43
fowl cholera, bacterins and drugs in control ..... 7
fowl cholera, two types of *Pasteurella multocida* associated with 315
fowlpox, virus neutralization antibody and viremia in turkeys 396
fungal isolates from birds in United States ..... 511
grackles, *Pasteurella pseudotuberculosis* in, case report ..... 506
*Haemophilus gallinarum*, in chickens, pathology of the respiratory tract ..... 1
*Haemophilus gallinarum*, intraflock transmission and therapeusis 211
hatcher fluff, microbial counts in ..... 24

hemagglutination, test for infectious bronchitis of chickens ..... 99
hepatitis, duck, serial passage in chicken embryo ..... 435
infectious bronchitis, of chicken, hemagglutination test for ..... 99
infectious bronchitis, diagnosis by agar gel precipitin test ..... 478
infectious bronchitis virus, effect on chickens infected with *Mycoplasma gallisepticum* ..... 267
infectious laryngotracheitis virus, serologic and immunogenic properties ..... 59
infectious synovitis, cultivation of organisms ..... 36
*Leucocytozoon smithi*, schizogony, transmission, and control ..... 195
leukosis, incidence in broilers at processing ..... 430
meeting, fourth, American Association of Avian Pathologists, summary report ..... 132
*Mycoplasma*, control, dipping eggs in erythromycin ..... 191
*Mycoplasma*, isolations, effect of diet and chlortetracycline on .... 165
*Mycoplasma*, previously unreported serotype ..... 147
*Mycoplasma gallisepticum*, antigen production ..... 359
*Mycoplasma gallisepticum*, artificial exposure of young chicks .... 171
*Mycoplasma gallisepticum*, broilers from parents free of ..... 161
*Mycoplasma gallisepticum*, in chickens, salpingitis from ..... 499
*Mycoplasma gallisepticum*, effect of atmosphere environment on growth ..... 328
*Mycoplasma gallisepticum*, effect of infectious bronchitis virus on chickens infected with ..... 267
*Mycoplasma gallisepticum*, production of breast blisters by ..... 135
*Mycoplasma gallisepticum*, in turkeys, lymphofollicular nodules associated with ..... 289
*Mycoplasma gallisepticum*, vaccination of chickens with ..... 412
Mycostatin, effect on candidiasis in chickens ..... 238
mycotoxicosis, antifungal and antimycotoxic efficacy of certain compounds ..... 420
mycotoxicosis, relation of toxic fungi ..... 363
nephroblastoma, transmission and pathology ..... 455
Newcastle disease, effect of residual resistance on immunity following revaccination ..... 333
Newcastle disease, new vaccine, immunity study of ..... 284
Newcastle disease vaccine, response of chickens to one intranasal vaccination ..... 297
nitrofurans, effect on salmonellosis in parakeets and canaries ..... 275
Northeastern Conference on Avian Diseases, 34th annual, program and committee reports ..... 512
*Ornithostrongylus quadriradiatus*, in pigeons, thiabendazole therapy 380
paracolon infections in turkey poults, control ..... 93
parakeets, salmonellosis in, effect of nitrofurans ..... 275
paratyphoid infections in turkey poults, control ..... 93
*Pasteurella multocida*, two types associated with fowl cholera .... 315
*Pasteurella pseudotuberculosis*, in grackles, case report ..... 506
*Pasteurella pseudotuberculosis*, in turkeys, unusual aspect of ..... 403
pigeons, *Ornithostrongylus quadriradiatus* in, thiabendazole therapy ..... 380
piperazine compounds, as ascaracides ..... 493
pleuropneumonia-like organisms, see PPLO
poliomyelitis vaccine, use of chicks in evaluating ..... 86
PPLO, agglutinins in turkey sera, agglutination antigens for detection ..... 349
PPLO, cultivation of the infectious synovitis type ..... 36
PPLO, transmission in chickens, effect of dipping eggs in antibiotics ..... 72
program, 11th annual Western Poultry Disease Conference ..... 390

program and committee reports, 34th annual Northeastern Conference on Avian Diseases ..... 512
Pullorum-typhoid infections, measures needed to eradicate ..... 178
quail, Coturnix, avian encephalomyelitis in ..... 226
quail, ulcerative enteritis in, chemotherapy ..... 111
Rous sarcoma virus, transmission by *Aedes aegypti* ..... 127
*Salmonella*, as contaminants in animal by-products ..... 441
*Salmonella*, in White Pekin duck ..... 145
*Salmonella pullorum*, antigen, laboratory application of ..... 107
*Salmonella typhimurium*, in turkeys, serological testing for ..... 444
*Salmonella typhimurium* in turkey poults, control ..... 93
salmonellosis, in chicks, Tiafur trials ..... 228
salmonellosis, in parakeets and canaries, treatment with nitrofurans ..... 275
salmonellosis, in turkeys and chickens, associated with feed ..... 43
salpingitis, in chickens, produced by *Mycoplasma gallisepticum* 499
salpingitis, *Escherichia coli* serotypes isolated from ..... 322
thiabendazole, effect on *Ornithostrongylus quadriradiatus* in pigeons ..... 380
*Toxoplasma gondii*, in ducks, first case in Argentina ..... 391
typhoid-Pullorum infections, measures needed to eradicate ..... 178
ulcerative enteritis, in quail, chemotherapy ..... 111
Western Poultry Disease Conference, 11th annual, program ..... 390